

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
1 February 2001 (01.02.2001)

PCT

(10) International Publication Number
WO 01/07567 A1

- (51) International Patent Classification: C12N 1/21, 15/52, C12P 23/00, 5/02, C12Q 1/68
- (21) International Application Number: PCT/US00/20519
- (22) International Filing Date: 27 July 2000 (27.07.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/145,801 27 July 1999 (27.07.1999) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 60/145,801 (CIP)
Filed on 27 July 1999 (27.07.1999)
- (71) Applicant (for all designated States except US): **FOOD INDUSTRY RESEARCH AND DEVELOPMENT INSTITUTE** [—/—]; P.O. Box 246, Hsinchu 300 (TW).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): **LIAO, James, C.** [—/US]; 10573 Wellworth Avenue, Los Angeles, CA 90024 (US).
- (74) Agent: **TSAO, Y., Rocky**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110 (US).
- (81) Designated States (national): CN, JP, US.
- (84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).
- Published:
With international search report.
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ENGINEERING OF METABOLIC CONTROL

(57) Abstract: The invention features a method of producing heterologous molecules in cells under the regulatory control of a metabolite and metabolic flux. The method can enhance the synthesis of heterologous polypeptides and metabolites.

WO 01/07567 A1